

## **Climate Change Statement**

### **Part 1: Applicant details**

Name of applicant/agent	ONE17 Architects and Interior Designers (Agent)
Site Address	The Gate House, Jackson Bridge, HD9 7HS
Description of Development	Demolition of existing garage and erection of new extension.

### **Part 2: Climate Change Mitigation measures**

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:
Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)
<ul style="list-style-type: none"><li>• Any new appliances such as fridges, washing machines etc. will be min. A rated energy efficient.</li><li>• Existing central heating system utilised and extended, including introduction of TRVs to radiators.</li><li>• All new lighting will be LED and energy efficient.</li></ul>
Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)
<ul style="list-style-type: none"><li>• Encourage use of reclaimed materials where possible</li><li>• Encourage any new materials to be sourced locally, and encourage purchasing reclaimed materials</li><li>• Encourage use of local labour and Contractors to limit travel time to site and reduce carbon emissions.</li></ul>

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

- Suggest installation of renewable energy technologies and highlight benefits to Applicant.

Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)

- Orientation of existing dwelling is unaffected, but proposals benefit from expanses of glazing/rooflights to South Elevation to increase solar gain.
- Rooflights also provide rapid ventilation and increase daylight levels internally.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

- Site is elevated up from the highway.

Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures) (See sections 7 and 8)

- Encourage use of water efficient appliances (eco shower heads, low/dual flush toilets)

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

- Bat and bird boxes included, see BNG/ Species Enhancement Statement

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

- Locally sourced materials and local labour to reduce transport emissions.
- Installation of mechanical extract ventilation system to rooms required.